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1　A multicast packet forwarding mechanism for WCDMA networks using routing lists
❖ Antonios Alexiou, Dimitrios Antonellis, Christos Bouras
October 2006 WMuNeP '06: Proceedings of the 2nd ACM international workshop on Wireless multimedia networking and performance modeling
Publisher: ACM
Full text available: 📄 Pdf (807.56 KB)　Additional Information: full citation, abstract, references, index terms

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　　This paper proposes a multicast scheme for the packet forwarding mechanism in the Universal Mobile Telecommunications System (UMTS). The scheme relies on the introduction of the Permanent Multicast Routing List (PMRL) and Temporary Multicast Routing ...

　　Keywords: MBMS, UMTS, multicast, multiple unicast

2　Maximum supported network coverage area and cost evaluation of key pre-distribution schemes
❖ Yuan Xue, Helmut Jürgensen
July 2008　PETRA '08: Proceedings of the 1st ACM international conference on PErvasive Technologies Related to Assistive Environments
Publisher: ACM
Additional Information: full citation, abstract, references, index terms

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　　Sensor nodes are low-cost computing devices combining wireless transmitters with specialized sensors, such as temperature, humidity, light, motion, speed, acoustic, chemical and seismic sensors. Sensor nodes are typically deployed in great density over ...

3　Security wrappers and power analysis for SoC technologies
❖ C. H. Gebotys, Y. Zhang
October 2003 CODES+ISSS '03: Proceedings of the 1st IEEE/ACM/IFIP international conference on Hardware/software codesign and system synthesis
Publisher: ACM
　　　　　Additional Information:

Full text available: Pdf (790.57 KB)　　　　　full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 6,　Downloads (12 Months): 44,　Citation Count: 2

Future wireless internet enabled devices will be increasingly powerful supporting many more applications including one of the most crucial, security. Although SoCs offer more resistance to bus probing attacks, power/EM attacks on cores and network snooping ...

Keywords: VLIW, adiabatic, design, performance, security

4 Upfront

Linux Journal Staff
November 2005 Linux Journal,　Volume 2005 Issue 139
Publisher: Specialized Systems Consultants, Inc.
Full text available: Html (13.08 KB)　Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 1,　Downloads (12 Months): 4,　Citation Count: 0

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5 Retrofitting networked applications to add autonomic reconfiguration

Michael G. Merideth, Priya Narasimhan
May 2005 DEAS '05: Proceedings of the 2005 workshop on Design and evolution of autonomic application software
Publisher: ACM
Full text available: Pdf (409.16 KB)　Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 8,　Downloads (12 Months): 43,　Citation Count: 1

To reduce user maintenance is an important goal for applications that must dynamically adapt based on their environments. There are many existing popular applications that lack support for this autonomic reconfiguration, but that are beginning to be ...

Keywords: autonomic, intrusion detection, reconfiguration, software upgrades

6 Security as a new dimension in embedded system design

Paul Kocher, Ruby Lee, Gary McGraw, Anand Raghunathan / Srivaths Ravi
June 2004 DAC '04: Proceedings of the 41st annual conference on Design automation
Publisher: ACM
Full text available: Pdf (209.10 KB)　Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 48,　Downloads (12 Months): 390,　Citation Count: 18

The growing number of instances of breaches in information security in the last few years has created a compelling case for efforts towards secure electronic systems. Embedded systems, which will be ubiquitously used to capture, store, manipulate, and ...

Keywords: PDAs, architectures, battery life, cryptography, design, design methodologies, digital rights management, embedded systems, performance, security, security processing, security protocols, sensors, software attacks, tamper resistance, trusted computing, viruses

7   A team teaching approach to inclusion of a security component in IS and CS
    curricula
    James Harris, Maeve Cummings, Felix Dreher, Kailash Chandra
    April 2004 Journal of Computing Sciences in Colleges,   Volume 19 Issue 4
    Publisher: Consortium for Computing Sciences in Colleges
    Full text available: Pdf (56.22 KB)   Additional Information: full citation, abstract, references

    Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 56, Citation Count: 0
        Issues related to computer security and information assurance are important to everyone
        who uses information technology and these issues will have a substantial impact on the
        careers of students pursuing degrees in computer science and information systems. ...

8   The essence of information assurance and its implications for the Ada community
    Michael McEvilley
    March 2003 ACM SIGAda Ada Letters,   Volume XXIII Issue 1
    Publisher: ACM
    Full text available: Pdf (197.41 KB)   Additional Information: full citation, abstract, references, index terms

    Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 59, Citation Count: 0
        There is a growing need to engineer and operate critical systems with some level of
        measurable trust in the functions that make these systems secure. The term Information
        Assurance (IA) is now widely used to refer to the general concept of system security ...

        Keywords: information assurance, security engineering

9   Sixthsense: rfid-based enterprise intelligence
    Lenin Ravindranath, Venkata N. Padmanabhan, Piyush Agrawal
    June 2008 MobiSys '08: Proceeding of the 6th international conference on Mobile systems,
                applications, and services
    Publisher: ACM
    Full text available: Pdf (1.03 MB)   Additional Information: full citation, abstract, references, index terms

    Bibliometrics: Downloads (6 Weeks): 43, Downloads (12 Months): 88, Citation Count: 0
        RFID is widely used to track the movement of goods through a supply chain. In this
        paper, we extend the domain of RFID by presenting SixthSense, a platform for RFID-
        based enterprise intelligence systems. We consider an enterprise setting where people ...

        Keywords: rfid, sensing, ubiquitous computing

10 Wireless broadband services and network management system in KT
    Dong-Hyun Lee, Hwan-Joong Lee, Young-Woo Lee, Dong-Houn Shin
    November 2006 International Journal of Network Management,   Volume 16 Issue 6
    Publisher: John Wiley & Sons, Inc.
    Full text available: Pdf (778.41 KB)   Additional Information: full citation, abstract, references, index terms

    Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 277, Citation Count: 0
        As mobile devices such as laptops and PDAs are becoming widely available, customers'
        needs for portable Internet services are increasing. KT has been preparing to launch a
        WiBro (Mobile WiMax) service that is a high-speed, low-cost, wireless Internet ...

11 Web-based interactive courseware for information security

Andy Ju An Wang

October 2005 SIGITE '05: Proceedings of the 6th conference on Information technology education

Publisher: ACM

Full text available: Pdf (346.90 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 153, Citation Count: 1

Interactive courseware encourages student participation and active learning. Prior research and teaching experience has shown that IT students prefer to learn information security in a hands-on manner. How do we offer information security as a distance ...

Keywords: active learning, information security, interactivity

12 The essence of information assurance and its implications for the Ada community

Michael McEvilley

December 2002 SIGAda '02: Proceedings of the 2002 annual ACM SIGAda international conference on Ada: The engineering of correct and reliable software for real-time & distributed systems using Ada and related technologies

Publisher: ACM

Full text available: Pdf (197.41 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 59, Citation Count: 0

There is a growing need to engineer and operate critical systems with some level of measurable trust in the functions that make these systems secure. The term Information Assurance (IA) is now widely used to refer to the general concept of system security ...

Keywords: information assurance, security engineering

13 Bootstrapping multi-party ad-hoc security

Sadie Creese, Michael Goldsmith, Bill Roscoe, Ming Xiao

April 2006 SAC '06: Proceedings of the 2006 ACM symposium on Applied computing

Publisher: ACM

Full text available: Pdf (135.78 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 58, Citation Count: 0

In pervasive-computing scenarios users may wish to achieve some degree of security in their interaction with other people or equipment, in contexts where they cannot be confident of the others' long-term identities and where there may be no reliable ...

Keywords: bootstrapping security, pervasive computing

14 Retrofitting networked applications to add autonomic reconfiguration

Michael G. Merideth, Priya Narasimhan

July 2005 ACM SIGSOFT Software Engineering Notes, Volume 30 Issue 4

Publisher: ACM

Full text available: Pdf (409.16 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 43, Citation Count: 1

To reduce user maintenance is an important goal for applications that must dynamically

adapt based on their environments. There are many existing popular applications that lack support for this autonomic reconfiguration, but that are beginning to be ...

Keywords: autonomic, intrusion detection, reconfiguration, software upgrades

15 A scalable key-management scheme with minimizing key storage for secure group communications
Yuh-Min Tseng
November 2003 International Journal of Network Management, Volume 13 Issue 6
Publisher: John Wiley & Sons, Inc.
Full text available: Pdf (104.15 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 58, Citation Count: 3

Recently, many group communication services have become the focus for future developments in the Internet and wireless network applications, such as video-conferencing, collaborative work, networking games or online videos. In particular, these applications ...

16 Authentication for WiFi - WiBbro-based BWAN interworking
Yong Lee, Goo Yeon Lee
May 2008 MobiHoc '08: Proceedings of the 9th ACM international symposium on Mobile ad hoc networking and computing
Publisher: ACM
Full text available: Pdf (274.45 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 73, Citation Count: 0

In this paper, we solve the interworking problem for different user authentications between licensed BWAN and unlicensed band network when an unlicensed radio band user connects to the Internet via BWAN.

Keywords: WiBro, WiFi, interworking, user authentication

17 A buddy model of security for mobile agent communities operating in pervasive scenarios
John Page, Arkady Zaslavsky, Maria Indrawan
January 2004 ACSW Frontiers '04: Proceedings of the second workshop on Australasian information security, Data Mining and Web Intelligence, and Software Internationalisation - Volume 32, Volume 32
Publisher: Australian Computer Society, Inc.
Full text available: Pdf (344.53 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 83, Citation Count: 1

This paper examines the security aspects of different pervasive scenarios involving agent communities evolved using multi agent systems (MAS). It describes the motivation and the objectives behind the development of these agent communities and analyses ...

Keywords: community, malicious, mobile agents (MA), security, vulnerability

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